Application No. 10/671,732 Amendment dated October 7, 2005 Reply to Office Action of July 7, 2005

30 carbon atoms containing an oxygen functional group, and R⁴ is a monovalent organic group of 3 to 30 carbon atoms containing at least one silicon atom.

6. (Original) A polymer comprising recurring units of the general formula (1a), (2a), (3a) or (4a) and having a weight average molecular weight of 2,000 to 100,000,

$$\begin{array}{c}
H_2 & \text{Si(CH}_3)_3 \\
+ & \text{C-C} \\
& \text{OR}^1
\end{array}$$
(1a)

$$\begin{array}{c|c}
H_2 & Si(CH_3)_3 \\
+C & C \\
O & OR^2
\end{array}$$
(2a)

$$\begin{array}{c}
H_2 \\
+ C - C \\
\longrightarrow OR^3
\end{array}$$
(3a)

$$\begin{array}{c|c}
H_2 & Si(CH_3)_3 \\
+ & C & C \\
\hline
O & OR^4
\end{array}$$
(4a)

wherein R¹ is a hydrogen atom, halogen atom or monovalent organic group, R² is an acid labile group, R³ is a monovalent organic group of 2 to 30 carbon atoms containing an oxygen functional group, and R⁴ is a monovalent organic group of 3 to 30 carbon atoms containing at least one silicon atom.